BRUHATH BANGALORE MAHANAGARA PALIKE
Byatarayanapura Division

Name of the work: Improvements to Roads and drains at Coffee Board Layout, mariyannapalya and Surrounding Areas in ward No 07 - Byatarayanapura, Kodigehalli Sub Division.

Second RA Bill

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :- 007-16-000035,007-16-000036,007-16-000037,007-16-000038,007-16-000039,007-16-000040,008-16-000033,008-16-000034,008-16-000035, 26621

Name of Agency :- M/s.Ram and Company

Bill No :-2nd and Part Bill

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Coffee Board Layout park road										
	0.00	15.00	R/S	1.00	15.00			0.55	0.50	4.13	**BS Slab Drain**
	15.00	30.00	R/S	1.00	15.00			0.55	0.50	4.13	
	30.00	45.00	R/S	1.00	15.00			0.55	0.50	4.13	
	45.00	60.00	R/S	1.00	15.00			0.55	0.50	4.13	
	60.00	75.00	R/S	1.00	15.00			0.55	0.45	3.71	
	75.00	90.00	R/S	1.00	15.00			0.55	0.50	4.13	
	90.00	105.00	R/S	1.00	15.00			0.55	0.50	4.13	
	105.00	120.00	R/S	1.00	15.00			0.55	0.50	4.13	
	120.00	135.00	R/S	1.00	15.00			0.55	0.45	3.71	
	135.00	150.00	R/S	1.00	15.00			0.55	0.50	4.13	
	150.00	165.00	R/S	1.00	15.00			0.55	0.50	4.13	
	165.00	180.00	R/S	1.00	15.00			0.55	0.45	3.71	
	180.00	195.00	R/S	1.00	15.00			0.55	0.50	4.13	
	195.00	210.00	R/S	1.00	15.00			0.55	0.50	4.13	
	210.00	225.00	R/S	1.00	15.00			0.55	0.45	3.71	
	225.00	240.00	R/S	1.00	15.00			0.55	0.50	4.13	
	240.00	255.00	R/S	1.00	15.00			0.55	0.50	4.13	
	255.00	270.00	R/S	1.00	15.00			0.55	0.45	3.71	
	270.00	285.00	R/S	1.00	15.00			0.55	0.50	4.13	
	285.00	300.00	R/S	1.00	15.00			0.55	0.45	3.71	
	300.00	315.00	R/S	1.00	15.00			0.55	0.50	4.13	
	315.00	324.20	R/S	1.00	9.20			0.55	0.50	2.53	
	0.00	15.00	L/S	1.00	15.00			0.60	0.50	4.50	**SSM Drain**
	15.00	30.00	L/S	1.00	15.00			0.60	0.50	4.50	
	30.00	45.00	L/S	1.00	15.00			0.60	0.50	4.50	
	45.00	60.00	L/S	1.00	15.00			0.60	0.50	4.50	
	60.00	75.00	L/S	1.00	15.00			0.60	0.50	4.50	

Consultant

For M/s RAM & COMPANY

Partner

Assistant Engineer

A.E (Rly)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	75.00	90.00	L/S	1.00	15.00			0.60	0.50	4.50	
	90.00	105.00	L/S	1.00	15.00			0.60	0.50	4.50	
	105.00	120.00	L/S	1.00	15.00			0.60	0.45	4.05	
	120.00	135.00	L/S	1.00	15.00			0.60	0.50	4.50	
	135.00	150.00	L/S	1.00	15.00			0.60	0.50	4.50	
	150.00	165.00	L/S	1.00	15.00			0.60	0.50	4.50	
	165.00	180.00	L/S	1.00	15.00			0.60	0.50	4.50	
	180.00	195.00	L/S	1.00	15.00			0.60	0.50	4.50	
	195.00	210.00	L/S	1.00	15.00			0.60	0.50	4.50	
	210.00	225.00	L/S	1.00	15.00			0.60	0.50	4.50	
	225.00	240.00	L/S	1.00	15.00			0.60	0.50	4.50	
	240.00	255.00	L/S	1.00	15.00			0.60	0.50	4.50	
	255.00	270.00	L/S	1.00	15.00			0.60	0.50	4.50	
	270.00	285.00	L/S	1.00	15.00			0.60	0.50	4.50	
	285.00	300.00	L/S	1.00	15.00			0.60	0.50	4.50	
	300.00	315.00	L/S	1.00	15.00			0.60	0.50	4.50	
	315.00	324.20	L/S	1.00	9.20			0.60	0.50	2.76	
	13 th main										
	0.00	15.00	L/S	1.00	15.00			0.60	0.55	4.95	
	15.00	30.00	L/S	1.00	15.00			0.60	0.55	4.95	
	30.00	45.00	L/S	1.00	15.00			0.60	0.55	4.95	
	45.00	60.00	L/S	1.00	15.00			0.60	0.55	4.95	
	60.00	75.00	L/S	1.00	15.00			0.60	0.55	4.95	
	75.00	90.00	L/S	1.00	15.00			0.60	0.55	4.95	
	90.00	105.00	L/S	1.00	15.00			0.60	0.55	4.95	
	105.00	120.00	L/S	1.00	15.00			0.60	0.55	4.95	
	120.00	135.00	L/S	1.00	15.00			0.60	0.55	4.95	
	135.00	150.00	L/S	1.00	15.00			0.60	0.55	4.95	
	150.00	165.00	L/S	1.00	15.00			0.60	0.55	4.95	
	165.00	180.00	L/S	1.00	15.00			0.60	0.55	4.95	
	180.00	195.00	L/S	1.00	15.00			0.60	0.55	4.95	
	195.00	210.00	L/S	1.00	15.00			0.60	0.55	4.95	
	210.00	225.00	L/S	1.00	15.00			0.60	0.55	4.95	
	225.00	240.00	L/S	1.00	15.00			0.60	0.50	4.50	
	240.00	255.00	L/S	1.00	15.00			0.60	0.55	4.95	
	255.00	270.00	L/S	1.00	15.00			0.60	0.55	4.95	
	270.00	282.20	L/S	1.00	12.20			0.60	0.55	4.03	
	3rd Cross Road										
	0.00	15.00	R/S	1.00	15.00			0.70	0.40	4.20	
	15.00	30.00	R/S	1.00	15.00			0.70	0.40	4.20	

Consultant

For M/s. RAM & COMPANY

Partner

Assistant Engineer

AE(WQ)

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	30.00	45.00	R/S	1.00	15.00			0.70	0.40	4.20	
	45.00	60.00	R/S	1.00	15.00			0.70	0.40	4.20	
	60.00	75.00	R/S	1.00	15.00			0.70	0.40	4.20	
	75.00	90.00	R/S	1.00	15.00			0.70	0.40	4.20	
	90.00	105.00	R/S	1.00	15.00			0.70	0.40	4.20	
	105.00	115.00	R/S	1.00	10.00			0.70	0.40	2.80	
	115.00	126.00	R/S	1.00	11.00			0.70	0.40	3.08	
	126.00	140.00	R/S	1.00	14.00			0.70	0.40	3.92	
	140.00	155.00	R/S	1.00	15.00			0.70	0.40	4.20	
	155.00	170.00	R/S	1.00	15.00			0.70	0.40	4.20	
	170.00	185.00	R/S	1.00	15.00			0.70	0.40	4.20	
	185.00	200.00	R/S	1.00	15.00			0.70	0.40	4.20	
	200.00	215.00	R/S	1.00	15.00			0.70	0.40	4.20	
	215.00	224.00	R/S	1.00	9.00			0.70	0.40	2.52	
	224.00	232.00	R/S	1.00	8.00			0.70	0.40	2.24	
	232.00	245.00	R/S	1.00	13.00			0.70	0.40	3.64	
	245.00	260.00	R/S	1.00	15.00			0.70	0.40	4.20	
	260.00	272.00	R/S	1.00	12.00			0.70	0.40	3.36	
	272.00	284.00	R/S	1.00	12.00			0.70	0.40	3.36	
	284.00	290.00	R/S	1.00	6.00			0.70	0.40	1.68	
	290.00	300.00	R/S	1.00	10.00			0.70	0.40	2.80	
	300.00	315.00	R/S	1.00	15.00			0.70	0.40	4.20	
	315.00	330.00	R/S	1.00	15.00			0.70	0.40	4.20	
	330.00	345.00	R/S	1.00	15.00			0.70	0.40	4.20	
	345.00	360.00	R/S	1.00	15.00			0.70	0.40	4.20	
	360.00	375.00	R/S	1.00	15.00			0.70	0.40	4.20	
	375.00	390.00	R/S	1.00	15.00			0.70	0.40	4.20	
	390.00	405.00	R/S	1.00	15.00			0.70	0.40	4.20	
	405.00	420.00	R/S	1.00	15.00			0.70	0.40	4.20	
	420.00	435.00	R/S	1.00	15.00			0.70	0.40	4.20	
	435.00	439.00	R/S	1.00	4.00			0.70	0.40	1.12	
	439.00	449.00	R/S	1.00	10.00			0.70	0.40	2.80	
	449.00	465.00	R/S	1.00	16.00			0.70	0.40	4.48	
	465.00	480.00	R/S	1.00	15.00			0.70	0.40	4.20	
	480.00	490.00	R/S	1.00	10.00			0.70	0.40	2.80	
	490.00	493.00	R/S	1.00	3.00			0.70	0.40	0.84	
	0.00	15.00	L/S	1.00	15.00			0.70	0.40	4.20	
	15.00	30.00	L/S	1.00	15.00			0.70	0.40	4.20	
	30.00	45.00	L/S	1.00	15.00			0.70	0.40	4.20	
	45.00	60.00	L/S	1.00	15.00			0.70	0.40	4.20	
	60.00	75.00	L/S	1.00	15.00			0.70	0.40	4.20	

Consultant

For M/s. RAM & COMPANY

Partner

Assistant Engineer

AE(WT)

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	75.00	90.00	L/S	1.00	15.00			0.70	0.40	4.20	
	90.00	105.00	L/S	1.00	15.00			0.70	0.40	4.20	
	105.00	115.00	L/S	1.00	10.00			0.70	0.40	2.80	
	115.00	126.00	L/S	1.00	11.00			0.70	0.40	3.08	
	126.00	140.00	L/S	1.00	14.00			0.70	0.40	3.92	
	140.00	155.00	L/S	1.00	15.00			0.70	0.40	4.20	
	155.00	170.00	L/S	1.00	15.00			0.70	0.40	4.20	
	170.00	185.00	L/S	1.00	15.00			0.70	0.40	4.20	
	185.00	200.00	L/S	1.00	15.00			0.70	0.40	4.20	
	200.00	215.00	L/S	1.00	15.00			0.70	0.40	4.20	
	215.00	224.00	L/S	1.00	9.00			0.70	0.40	2.52	
	224.00	232.00	L/S	1.00	8.00			0.70	0.40	2.24	
	232.00	245.00	L/S	1.00	13.00			0.70	0.40	3.64	
	245.00	260.00	L/S	1.00	15.00			0.70	0.40	4.20	
	260.00	272.00	L/S	1.00	12.00			0.70	0.40	3.36	
	272.00	284.00	L/S	1.00	12.00			0.70	0.40	3.36	
	284.00	290.00	L/S	1.00	6.00			0.70	0.40	1.68	
	290.00	300.00	L/S	1.00	10.00			0.70	0.40	2.80	
	300.00	315.00	L/S	1.00	15.00			0.70	0.40	4.20	
	315.00	330.00	L/S	1.00	15.00			0.70	0.40	4.20	
	330.00	345.00	L/S	1.00	15.00			0.70	0.40	4.20	
	345.00	360.00	L/S	1.00	15.00			0.70	0.40	4.20	
	360.00	375.00	L/S	1.00	15.00			0.70	0.40	4.20	
	375.00	390.00	L/S	1.00	15.00			0.70	0.40	4.20	
	390.00	405.00	L/S	1.00	15.00			0.70	0.40	4.20	
	405.00	420.00	L/S	1.00	15.00			0.70	0.40	4.20	
	420.00	435.00	L/S	1.00	15.00			0.70	0.40	4.20	
	435.00	439.00	L/S	1.00	4.00			0.70	0.40	1.12	
	439.00	449.00	L/S	1.00	10.00			0.70	0.40	2.80	
	449.00	465.00	L/S	1.00	16.00			0.70	0.40	4.48	
	465.00	480.00	L/S	1.00	15.00			0.70	0.40	4.20	
	480.00	490.00	L/S	1.00	10.00			0.70	0.40	2.80	
	490.00	493.00	L/S	1.00	3.00			0.70	0.45	0.95	
									Total	552.35	Cum
2	Removing and Resetting of Footpath Slab with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	13 th main										
	0.00	15.00	L/S	2.00	0.60			0.90		1.08	
	15.00	30.00	L/S	3.00	0.60			0.90		1.62	

Consultant

For M/s. RAM & COMPANY

Partner

Assistant Engineer

AE (Ver)

05/01/18

Assistant Executive Engineer

Valahanka Const. & D.M.P.,

Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	30.00	45.00	L/S	2.00	0.60			0.90		1.08	
	45.00	60.00	L/S	3.00	0.60			0.90		1.62	
	60.00	75.00	L/S	3.00	0.60			0.90		1.62	
	75.00	90.00	L/S	2.00	0.60			0.90		1.08	
	90.00	105.00	L/S	3.00	0.60			0.90		1.62	
	105.00	120.00	L/S	2.00	0.60			0.90		1.08	
	120.00	135.00	L/S	3.00	0.60			0.90		1.62	
	135.00	150.00	L/S	2.00	0.60			0.90		1.08	
	150.00	165.00	L/S	3.00	0.60			0.90		1.62	
	165.00	180.00	L/S	2.00	0.60			0.90		1.08	
	180.00	195.00	L/S	2.00	0.60			0.90		1.08	
	195.00	210.00	L/S	2.00	0.60			0.90		1.08	
	210.00	225.00	L/S	2.00	0.60			0.90		1.08	
	225.00	240.00	L/S	2.00	0.60			0.90		1.08	
	240.00	255.00	L/S	3.00	0.60			0.90		1.62	
	255.00	270.00	L/S	2.00	0.60			0.90		1.08	
	270.00	282.20	L/S	3.00	0.60			0.90		1.62	
									Total	24.84	Sqm
3	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	BS Slab Cover										
	Coffee Board Layout park road										
	30.00	45.00	R/S	8.00	0.60			0.90		4.32	
	45.00	60.00	R/S	6.00	0.60			0.90		3.24	
	105.00	120.00	R/S	8.00	0.60			0.90		4.32	
	120.00	135.00	R/S	10.00	0.60			0.90		5.40	
	135.00	180.00	R/S	6.00	0.60			0.90		3.24	
	180.00	195.00	R/S	8.00	0.60			0.90		4.32	
	195.00	210.00	R/S	6.00	0.60			0.90		3.24	
	285.00	300.00	R/S	8.00	0.60			0.90		4.32	
	BS Slab Drain										
	Coffee Board Layout park road										
	RHS										
	0.00	15.00	S	1.00	5.00			1.20		6.00	**BS Slab Drain**

Consultant

For M/s. [illegible] & COMPANY

Partner

Assistant Engineer

AE(Civil)
10/01/18

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
			B	1.00	5.00			0.60		3.00	
	15.00	30.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	45.00	60.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	60.00	75.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	75.00	90.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	90.00	105.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	105.00	120.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	135.00	150.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	150.00	165.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	165.00	180.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	210.00	225.00	S	1.00	6.00			1.20		7.20	
			B	1.00	6.00			0.60		3.60	
	225.00	240.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	240.00	255.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	270.00	285.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	285.00	300.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	300.00	315.00	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
	315.00	324.20	S	1.00	5.00			1.20		6.00	
			B	1.00	5.00			0.60		3.00	
								Total		**187.20**	**Sqm**
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	For BS Slab Drain / Missing										
	Coffee Board Layout park road										

Consultant

For M/s. PARTNER COMPANY

Partner

Assistant Engineer

AE(WD4)

12/01/18

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	15.00	S	1.00	2.00			1.20		2.40	
			B	1.00	2.00			0.60		1.20	
	15.00	30.00	S	1.00	1.00			1.20		1.20	
			B	1.00	1.00			0.60		0.60	
	135.00	150.00	S	1.00	2.00			1.20		2.40	
			B	1.00	2.00			0.60		1.20	
	150.00	180.00	S	1.00	1.00			1.20		1.20	
			B	1.00	1.00			0.60		0.60	
	230.00	245.00	S	1.00	2.00			1.20		2.40	
			B	1.00	2.00			0.60		1.20	
	260.00	285.00	S	1.00	2.00			1.20		2.40	
			B	1.00	2.00			0.60		1.20	
									Total	18.00	Sqm
5	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	For BS Slab Drain / Missing										
	30.00	45.00	R/S	2.00	0.60			0.90		1.08	BS Slab Drain
	120.00	135.00	R/S	3.00	0.60			0.90		1.62	
	180.00	195.00	R/S	2.00	0.60			0.90		1.08	
	195.00	210.00	R/S	2.00	0.60			0.90		1.08	
	255.00	270.00	R/S	2.00	0.60			0.90		1.08	
									Total	5.94	Sqm
7	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	13 th main										
	for shoulder Drain										

For M/s. PAMS COMPANY

Consultant

Partner

Assistant Engineer

AE(127)
16/01/18

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
			20	1.00			0.80	0.10	1.60	
								Total	**1.60**	**Cum**
14	KSRB 5-11 Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	13 th main									
	for shoulder Drain									
			40	1.00				0.20	8.00	
								Total	**8.00**	**Sqm**
17	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	Coping									
	13 th main									
	for shoulder Drain									
		b/s	40	1			0.150	0.075	0.45	
								Total	**0.45**	**Cum**
18	Providing and fixing Ms gratings 260 mmx 260 mm for Shoulder Drains with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	13 th main									
	for shoulder Drain									
			20	1					20.00	

Consultant

For M/s. [illegible]

Partner

Assistant Engineer

AE(W2) 9/2/18

Assistant Executive Engineer

9/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
									Total	**20.00**	**Each**
20	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	13 th main										
	for shoulder Drain										
				20	1			0.60		12.00	
									Total	**12.00**	
23	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Coffee Board Layout park road										
	0.00	15.00	R/S	1.00	15.00	2.00	2.10	2.05	0.30	9.23	
	15.00	30.00	R/S	1.00	15.00	2.10	1.10	1.60	0.30	7.20	
	30.00	45.00	R/S	1.00	15.00	1.10	1.60	1.35	0.30	6.08	
	45.00	60.00	R/S	1.00	15.00	1.60	1.60	1.60	0.30	7.20	
	60.00	75.00	R/S	1.00	15.00	1.60	1.10	1.35	0.30	6.08	
	75.00	90.00	R/S	1.00	15.00	1.10	1.20	1.15	0.30	5.18	
	90.00	105.00	R/S	1.00	15.00	1.20	1.20	1.20	0.30	5.40	
	105.00	120.00	R/S	1.00	15.00	1.20	1.20	1.20	0.30	5.40	
	120.00	135.00	R/S	1.00	15.00	1.20	1.30	1.25	0.30	5.63	
	135.00	150.00	R/S	1.00	15.00	1.30	2.10	1.70	0.30	7.65	
	150.00	165.00	R/S	1.00	15.00	2.10	2.10	2.10	0.30	9.45	
	165.00	180.00	R/S	1.00	15.00	2.10	1.80	1.95	0.30	8.78	
	180.00	195.00	R/S	1.00	15.00	1.80	1.60	1.70	0.30	7.65	
	195.00	210.00	R/S	1.00	15.00	1.60	1.30	1.45	0.30	6.53	
	210.00	225.00	R/S	1.00	15.00	1.30	1.70	1.50	0.30	6.75	
	225.00	240.00	R/S	1.00	15.00	1.70	1.50	1.60	0.30	7.20	
	240.00	255.00	R/S	1.00	15.00	1.50	1.10	1.30	0.30	5.85	
	255.00	270.00	R/S	1.00	15.00	1.10	1.30	1.20	0.30	5.40	
	270.00	285.00	R/S	1.00	15.00	1.30	1.70	1.50	0.30	6.75	
	285.00	300.00	R/S	1.00	15.00	1.70	1.79	1.75	0.30	7.85	
	300.00	315.00	R/S	1.00	15.00	1.79	1.50	1.65	0.30	7.40	

Consultant

For M/s. PARA COMPANY

Partner

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name Of work : - Improvements to Roads and Drains at Coffe Board Layout, Mariyannapalya and Surrounding Areas in Ward No 7 Thanisandra, Byatarayanapura Sub Divison.

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	315.00	324.20	R/S	1.00	9.20	1.50	1.49	1.50	0.30	4.13	
	0.00	15.00	L/S	1.00	15.00	1.19	1.20	1.20	0.30	5.38	
	15.00	30.00	L/S	1.00	15.00	1.20	1.19	1.20	0.30	5.38	
	30.00	45.00	L/S	1.00	15.00	1.19	1.20	1.20	0.30	5.38	
	45.00	60.00	L/S	1.00	15.00	1.20	1.20	1.20	0.30	5.40	
	60.00	75.00	L/S	1.00	15.00	1.15	1.15	1.15	0.30	5.18	
	75.00	90.00	L/S	1.00	15.00	1.15	1.04	1.10	0.30	4.93	
	90.00	105.00	L/S	1.00	15.00	1.04	1.15	1.10	0.30	4.93	
	105.00	120.00	L/S	1.00	15.00	1.15	1.14	1.15	0.30	5.15	
	120.00	135.00	L/S	1.00	15.00	1.14	1.15	1.15	0.30	5.15	
	135.00	150.00	L/S	1.00	15.00	1.15	1.25	1.20	0.30	5.40	
	150.00	165.00	L/S	1.00	15.00	1.25	1.14	1.20	0.30	5.38	
	165.00	180.00	L/S	1.00	15.00	1.14	1.05	1.10	0.30	4.93	
	180.00	195.00	L/S	1.00	15.00	1.05	1.05	1.05	0.30	4.73	
	195.00	210.00	L/S	1.00	15.00	1.05	1.15	1.10	0.30	4.95	
	210.00	225.00	L/S	1.00	15.00	1.15	1.25	1.20	0.30	5.40	
	225.00	240.00	L/S	1.00	15.00	1.25	1.35	1.30	0.30	5.85	
	240.00	255.00	L/S	1.00	15.00	1.35	1.25	1.30	0.30	5.85	
	255.00	270.00	L/S	1.00	15.00	1.25	1.25	1.25	0.30	5.63	
	270.00	285.00	L/S	1.00	15.00	1.25	1.25	1.25	0.30	5.63	
	285.00	300.00	L/S	1.00	15.00	1.25	1.14	1.20	0.30	5.38	
	300.00	315.00	L/S	1.00	15.00	1.14	1.05	1.10	0.30	4.93	
	315.00	324.20	L/S	1.00	9.20	1.05	1.14	1.10	0.30	3.02	
	Bad Reaches										
	Coffee Board Layout park road										
				11.00	5.00	1.40	1.49	1.45	0.30	23.84	
				16.00	2.00	1.39	1.40	1.40	0.30	13.39	
				21.00	0.90	5.30	5.50	5.40	0.30	30.62	
								Total		**330.53**	**Cum**
											ND
											AE(W2) 09/02/18
24	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Coffee Board Layout park road										

Consultant

Partner

Assistant Engineer

AE(W2) ND

Assistant Executive Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.